

LET'S

ROCK

— THE —

FUTURE

FIAP  ONI
BEM-VINDOS



WORKSHOP BOTNET



AGENDA

- Introdução
- Bots e Botnets ?!
- Propósitos
- Cases
- Hands-on



BOTS E BOTNETS ?!

- Bots são programas de computador ou scripts projetados para executar uma série de operações automaticamente.
- Botnets são uma rede de computadores infectados, ou bots, sob o controle de uma única parte, conhecida como “bot master”.

BOTNETS

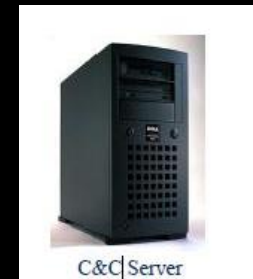
- ***Bots (Zombies)***



- ***Botmaster (Bot herder)***

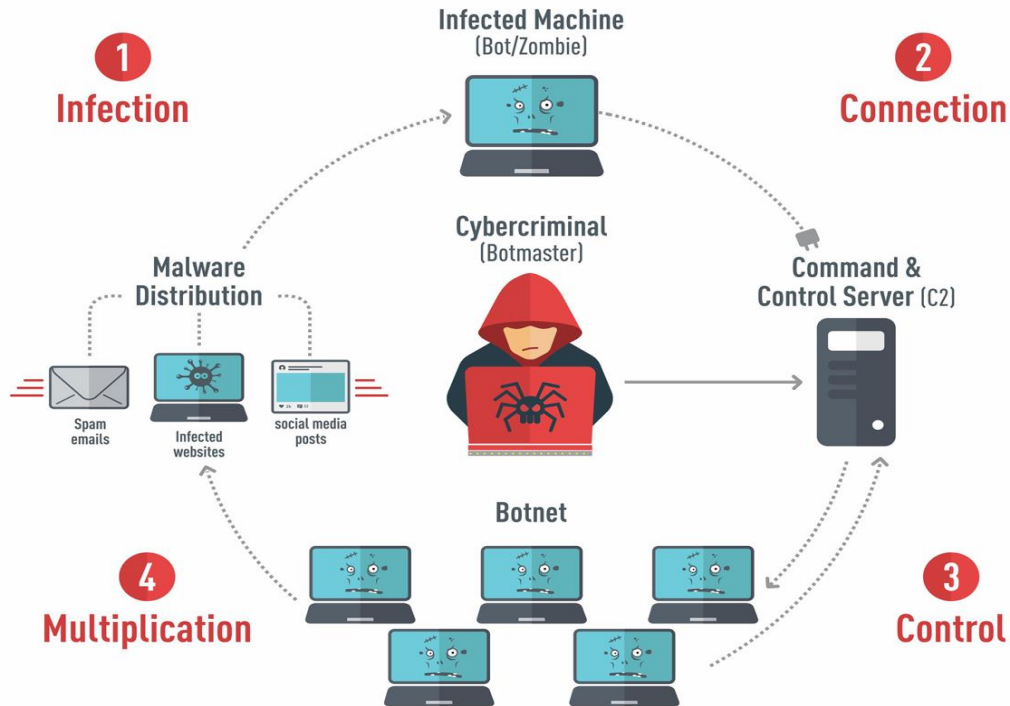


- ***Command and Control Server (C&C)***



BOTNETS

How a Botnet works



PROPÓSITOS

- Comunicação
- Compartilhamento de informações (data leak)
- Curiosidade
- Fun
- \$\$\$\$\$\$

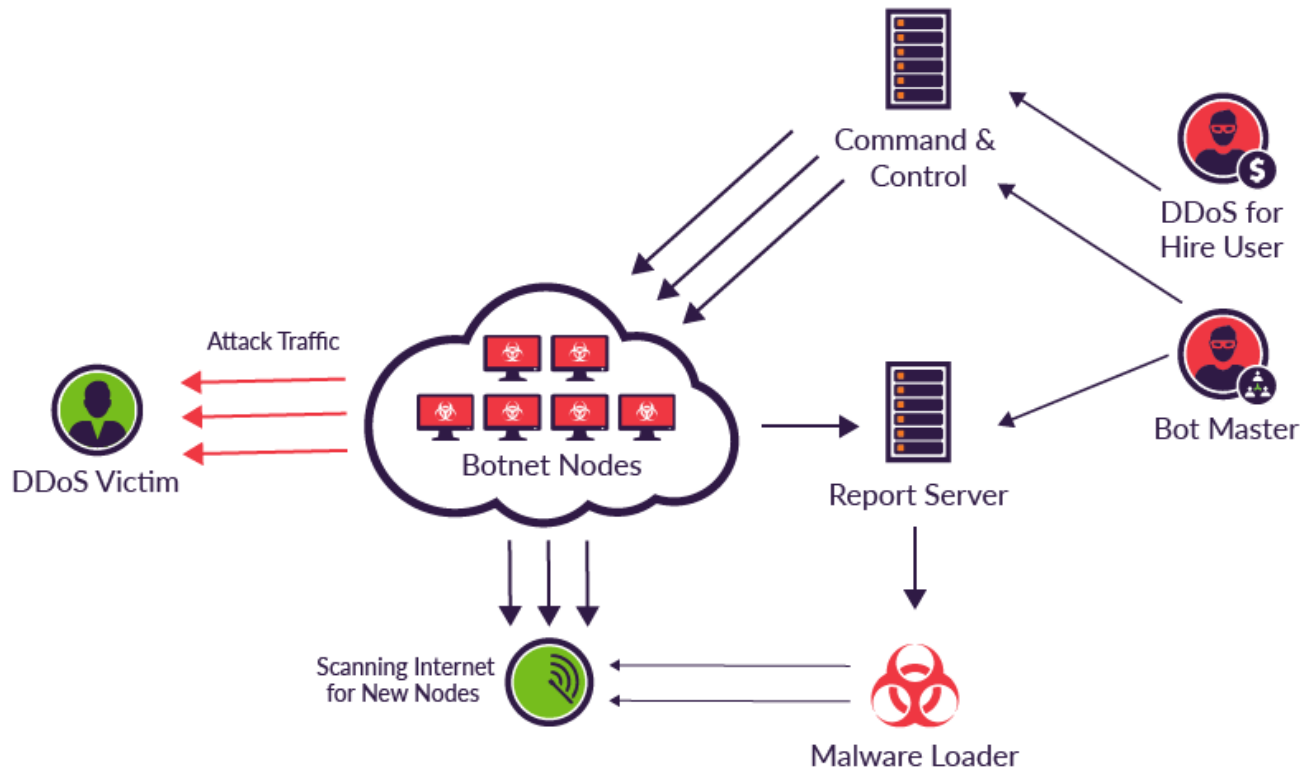




Foi usada para derrubar grandes serviços como a PlayStation Network, Spotify, Twitter e PayPal. A Mirai controlava mais de 300 mil dispositivos, incluindo câmeras de segurança e roteadores, para direcionar tráfego em ataques DDoS.

MIRAI

Mirai at a Glance





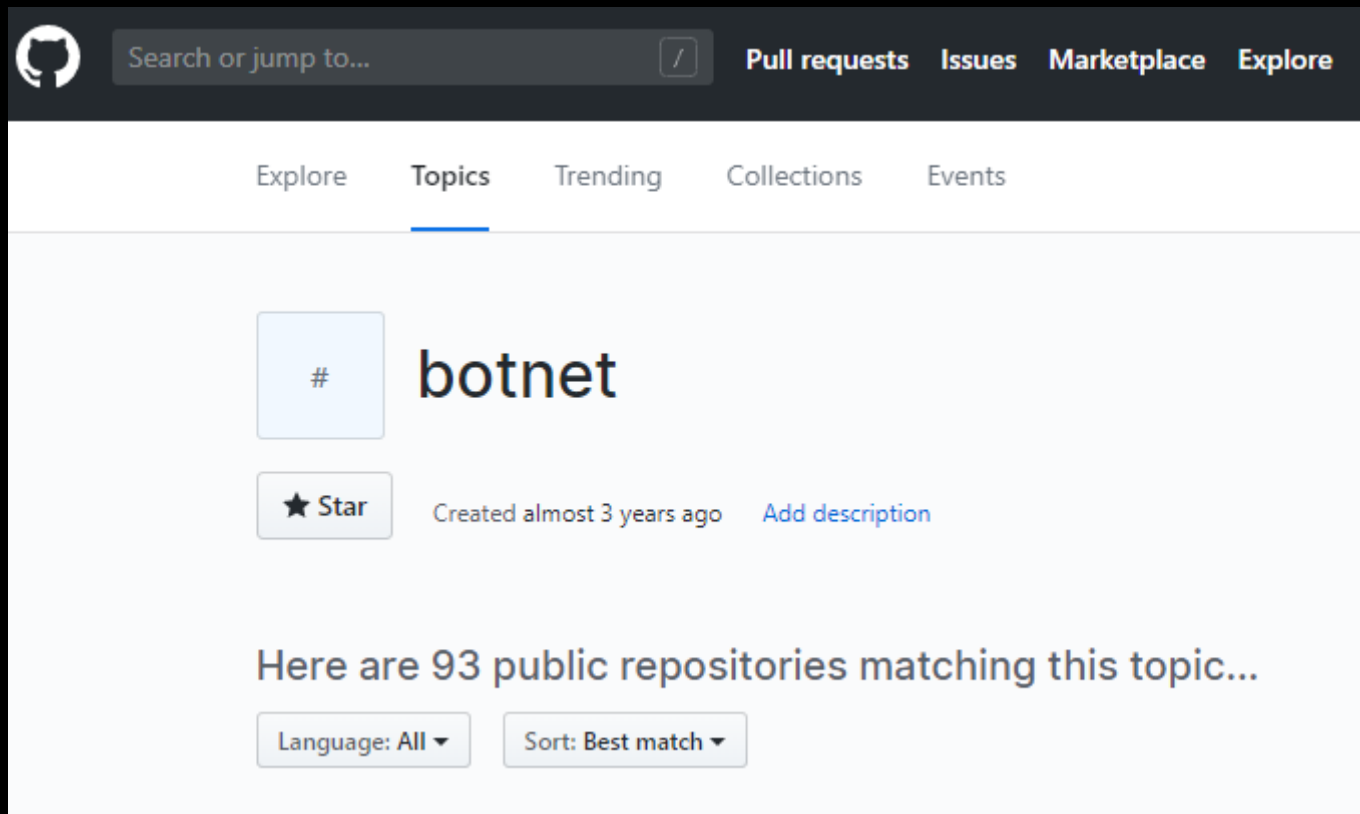
Overlay Security on IoT Networks to Conquer Vulnerabilities

IoT networks are under attack, with potentially dire consequences for organizations that fail to protect them with adequate security and control measures.

Written by Ron Victor 3rd October 2019



CENÁRIO ATUAL



The screenshot shows the GitHub interface for the 'botnet' topic. At the top, there is a dark navigation bar with the GitHub logo, a search bar containing 'Search or jump to...', and links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. Below this is a white navigation bar with 'Explore', 'Topics' (underlined), 'Trending', 'Collections', and 'Events'. The main content area features a light blue box with a '#' symbol, followed by the topic name 'botnet' in a large, bold font. Below the topic name, there is a '★ Star' button, the text 'Created almost 3 years ago', and a blue link 'Add description'. A large heading states 'Here are 93 public repositories matching this topic...'. At the bottom, there are two filter buttons: 'Language: All' and 'Sort: Best match', both with dropdown arrows.

Search or jump to... / Pull requests Issues Marketplace Explore

Explore **Topics** Trending Collections Events

botnet

★ Star Created almost 3 years ago [Add description](#)

Here are 93 public repositories matching this topic...

Language: All ▼ Sort: Best match ▼

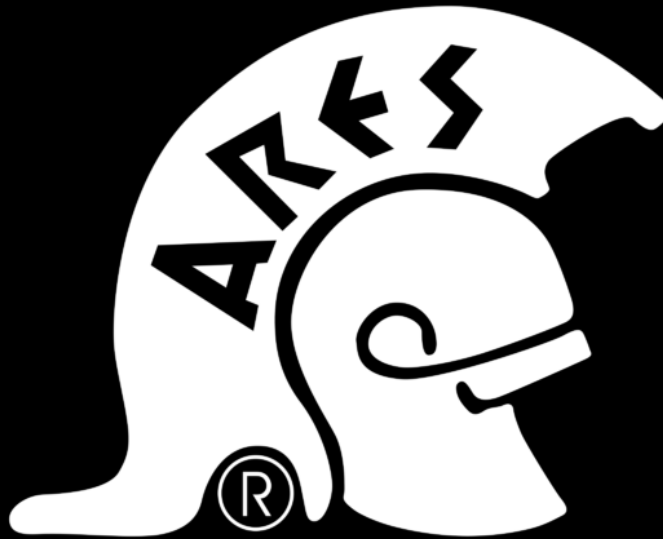
LET`S GO

FIAP  ONI

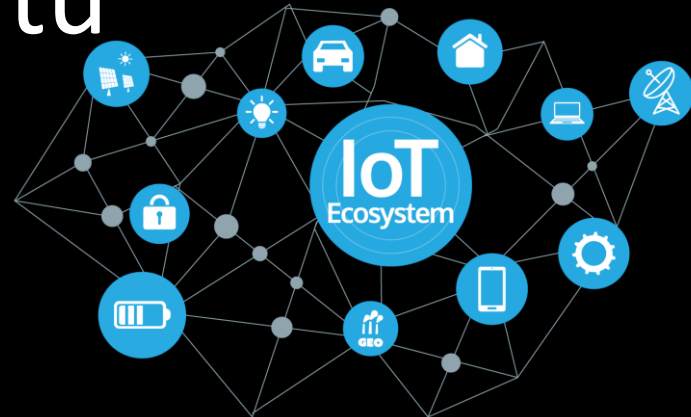
HANDS ON

{ trust_ful } > > >

- <https://github.com/vinicius3cta/Ares>



- Servidor: Kali ou Ubuntu
- Cliente: Ubuntu



HANDS-ON

- VirtualBox
- Servidor: NAT / Host-Only
- Cliente: Hosty-Only
- apt update && apt upgrade 🤔 🤔 🤔
- git clone <https://github.com/vinicius3cta/Ares.git>
- pip install -r requirements.txt



Thank You!